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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,361	04/16/2004	Ji Hyun Hwang	MRE-0045.1	8094
34610 KED & ASSOC	7590 09/25/200 CIATES, LLP	EXAMINER		
P.O. Box 22120	00	WAGGONER, TIMOTHY R		
Chantilly, VA 20153-1200			ART UNIT	PAPER NUMBER
			3651	
			MAIL DATE	DELIVERY MODE
			09/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/825,361	HWANG ET AL.
Office Action Summary	Examiner	Art Unit
	TIMOTHY R. WAGGONER	3651
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet with the o	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING [In the state of the	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tired will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 18 € This action is FINAL . 2b) This action for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 15-32 is/are pending in the application 4a) Of the above claim(s) is/are withdrage 5) Claim(s) is/are allowed. 6) Claim(s) 15-17 and 32 is/are rejected. 7) Claim(s) 18-31 is/are objected to. 8) Claim(s) are subject to restriction and/ Application Papers 9) The specification is objected to by the Examin	awn from consideration. For election requirement.	
10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	e drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat ority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate

DETAILED ACTION

Applicant's arguments, see Appeal Brief, filed 07/18/2008, with respect to the rejection(s) of claim(s) 15-32 under Hawkswell/Briehl have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Hawkswell/Briehl and further in view of Schmider USPN 4,011,475.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 15-17 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hawkswell USPN 4,687,152 in view of Briehl 5,941,674 or Umetsu et al. USPN 5,289,625 further in view of Schmider USPN 4,011,475.

Hawkswell discloses a parts feeding device comprising:

(Re claim 15) "a feeding unit installed on a main frame, the feeding unit comprising" (52 figure 2). "a tape at a predetermined pitch interval" (38 figure 2). "a vinyl separation unit" (68 figure 2). "a vinyl recovery unit" (70 figure 2).

Hawkswell does not disclose that the feeding unit is capable of moving forward and backwards driven by a force generating device comprising a plurality of armature coils and a magnet unit.

Briehl and Umetsu both teach a feeding unit capable of moving forward and backwards driven by a motor but is silent as to the construction.

Schmider teaches a motor which uses a plurality of magnets and armature coils.

It would be obvious to one skilled in the art to modify Hawkswell to make the feeding unit capable of moving forward and backwards and driven by a motor because it improves the regulation of the feed and to use a motor as taught by Scmider because it does not require brushes which need to be replaced.

(Re claim 16) "vinyl separation unit utilizes rotational force generated by the feeding unit" (48 figure 2, Hawkswell).

(Re claim 17) "vinyl recover unit is connected to the vinyl separation unit by a belt and recovers the vinyl" (76 figure 2, Hawkswell).

(Re claim 32) "a surface mounting device" (23 figure 1, Hawkswell).

Allowable Subject Matter

Claims 18-31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. USPNs 4,336,475 and 4,072,881.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIMOTHY R. WAGGONER whose telephone number is (571)272-8204. The examiner can normally be reached on Mon-Thu 8am-2pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Crawford can be reached on (571) 272-6911. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gene Crawford/ Supervisory Patent Examiner, Art Unit 3651

TRW